Pierre Zanchetta

Toulon, France | +33 6 69 52 70 03 | pierrezanchetta@hotmail.fr | LinkedIn

Data Scientist

Data scientist with a three-year experience working in artificial intelligence and machine learning in both research and business environments. I am currently seeking job opportunities in the United States in the Twin Cities area.

Work experience

ICELANDIC INSTITUTE FOR INTELLIGENT MACHINES   **Reykjavik, Iceland**

Research scientist in Artificial Intelligence   *April 2016 – November 2018*

- Enabled prediction of customers' actions based off their online history, creating a system working in stream on a dataset of 10,000 customers as lead research scientist on the project. Enabled the client company to gain on customer's loyalty and increase sales in the Nordic countries.
- Reduced medical errors in Icelandic hospitals by 3%, developing a machine learning system for the automatic identification of medical pills, based on photographs of the pills under different lighting.
- Participated in the "CoCo Maps" project, developing a dialogue system for a basic human-robot interaction. Bettered the existing recognition of meaning using natural language processing, improving accuracy by 5% in noisy environments.

SABER ASTRONAUTICS   **Sydney, Australia**

Space science intern   *April 2015 – July 2015*

- Designed a system using time series of historical data and external data provided by NASA to estimate the Total Electron Cover of the Earth with artificial neural networks, achieving a 94% accuracy.
- Developed the system in C++ and implemented it into the company software.

REUNIWATT   **Saint-Pierre, La Réunion, France**

Data science intern   *September 2014 – March 2015*

- Conducted data analysis on the production of electricity of solar plants.
- Designed and implemented a machine learning model for the prediction of solar irradiance hitting a given point of the Earth based on historical data (auto-regression of time series), using Neural Networks and meteorological data. Prediction at different time horizons (T+30 min, T+1h, T+24h…).

Education

2012-2016   **ISAE SUPAERO** (Toulouse, France) – M.S. and B.S. in Aerospace Engineering
Relevant coursework: Programming in C and Java, Data analysis, Statistics and Probability, Decision Theory, Machine Learning, Data Mining, Applied Mathematics
Projects: Built a recommender system for the Netflix problem. Developed a deep neural network to estimate the quality of satellite imagery (cloud detection)

Skills

Programming: R, Python, Java
Data: Excel, Matlab, SQL
Visualization: Tableau, R ggplot2
Machine learning: Linear regression, K-Means Clustering, Artificial Neural Networks, Decision Trees and Random Forests, Ensemble learning, Deep Learning, Natural language processing
Mathematics: Analysis, Linear Algebra, Statistics, Probability
Languages: French (native speaker), English (bilingual), Spanish (basics), Italian (basics)